

2/28/02

PATENT

Attorney Docket No. 144 P 022

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
Yiu Chau Chau)
Serial No.)
Filed: herewith)
Examiner:)
Art Unit:)
For: FAUCET WATER TREATMENT)

<p>CERTIFICATE OF EXPRESS MAIL</p> <p>Express Mail Mailing Label Number <u>EL 845498097 US</u></p> <p>Date of Deposit <u>December 21, 2001</u></p> <p>I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Box Non-Fee Amendment, Washington, D.C. 20231.</p> <p><u>Rachelle Hammerquist</u> (Typed or Printed Name of Person Mailing Paper or Fee)</p> <p><i>Rachelle Hammerquist</i> Signature of Person Mailing Paper or Fee</p>
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J1046 U.S. PTO
10/026233
12/21/01

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 AND 1.98

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant herewith cites the prior art cited on the enclosed Form PTO/SB/08A which may be material to the patentability of the application.

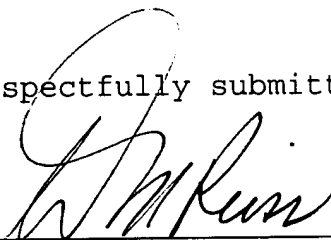
A copy of each of the items of prior art identified in the enclosed Form PTO/SB/08A is enclosed.

In accordance with MPEP §§609 and 707.05(b) it is requested that each document cited be given thorough consideration, and that it be cited of record in the prosecution history of the present application and the patent to issue on the present application by initialing on the Form PTO/SB/08A.

The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of any

document herein is not to be construed as an admission that such document is necessarily relevant or prior art. Moreover, no representation is intended that any cited document represents the results of a complete search or that the Examiner in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a), and in the course of such search will review for relevance every document cited on the attached Form PTO/SB/8A even if not initialed.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. M. Riess', is written over a horizontal line.

Daniel M. Riess
Registration No. 24,375

Dated: December 21, 2001

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Application Number					
Filing Date		Herewith			
First Named Inventor		Yiu Chau Chau			
Group Art Unit					
Examiner Name					
Attorney Docket Number		144 P 022			
Sheet	1	of	3		

1096 U.S. PTO
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		163,814		Sinclair	05/25/1875	
		171,056		Sinclair	12/14/1875	
		197,368		Hobson	11/20/1877	
		2,101,961		Slidell	12/14/1937	
		3,523,762		Broughton	08/11/1970	
		4,115,275		Kelly	09/19/1978	
		4,196,081		Pavia	04/01/1980	
		4,412,923		Capitani et al.	11/01/1983	
		4,642,192		Heskett	02/10/1987	
		5,041,219		Strand et al.	08/20/1991	
		5,133,385		Kawakami	07/28/1992	
		5,135,654		Heskett	08/04/1992	
		5,149,437		Wilkinson et al.	09/22/1992	
		5,164,082		Lin	11/17/1922	
		5,171,442		Nakshbendi	12/15/1992	
		5,205,932		Solomon et al.	04/27/1993	
		5,242,589		Kuo et al.	09/07/1993	
		5,340,478		Strand et al.	08/23/1994	
		5,415,770		Heskett	05/16/1995	
		5,628,900		Naito	05/13/1997	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0 720 862			01/05/1996		
		GB	2 174 920			11/19/1986		
		JP	6-137442A			05/17/1994		

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				Application Number	
				Filing Date	herewith
				First Named Inventor	Yiu Chau Chau
				Group Art Unit	
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Sheet	2	of	3	Attorney Docket Number	144 P 022

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				Filing Date Herewith	
				First Named Inventor Yiu Chau Chau	
				Group Art Unit	
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	144 P 022

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		"The 5600 Water Conditioning Control", undated.	
		"Owners Manual How to Maintain and Operate your EcoWater Electronic Demand Water System", EcoWater Systems, St. Paul, MN, 8/95, 32 pages.	
		"Controls for Water Treatment", Fleck Controls, Inc., Brookfield, WI, 9/96, 8 pages.	

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